

TECHNOCRATZ

LED DISPLAY SYSTEMS

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PRESENTS

**LED Hockey, Football, Handball and
Futsal Scoreboard.**



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Proposal and technical specifications for the LED Hockey, Football, Handball and Futsal scoreboard

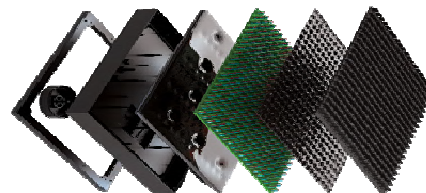
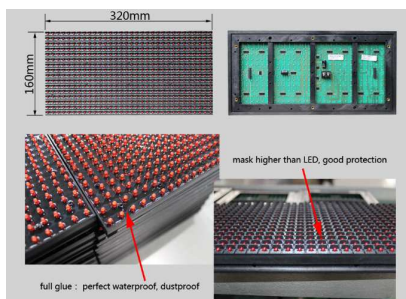
LED Scoreboards manufactured by Technocratz are available in variety of sizes starting from 15" x 2.5 feet, 2 x 3 feet to large full color screens of 10 x 20 feet and above which can run score as well as videos. Most of our Scoreboards operate from Android mobile app wirelessly via Bluetooth and for larger distance the data is transmitted via RF. The Outdoor LED scoreboards are fully rain proof and visible in daylight. The front of the Outdoor Scoreboards is covered with unbreakable 3mm polycarbonate sheet with laminated vinyl print where you can have Institute / Club / Unit / School / Stadium name in print with logo

Technocratz LED Scoreboards use the P10 LED modules and not the general local digits which are assembled manually. These modules have the LED, IC and the components mounted by machines on double sided glass epoxy PCB and made waterproof using silicon and fixed on to high grade plastic frame making them shock proof and virtually maintenance free. The Scoreboard is made up of 100% rainproof MS powder coated housing with front covered with Unbreakable transparent polycarbonate sheet having a laminated attractive print. The Scoreboard electronics consists 3 basic components i.e. the **LED modules** of 6 x 12" each powered by **SMPS** connected to one another and the microcontroller based **motherboard**. The scoreboards are manufactured maintaining high standards hence the chances of defect are minimal, still if a fault occurs, these components are connected to each other via connector based FRC ribbon cable and the 5 volt power too has connectors which makes the scoreboard modular and easy to maintain.

Android App Screenshot



Picture of the LED Modules used.



Module Parameter:

Pixel pitch	10mm
Pixel Density	10,000 dots/m²
Pixel configuration	1R (Red , Green, Yellow, White available) (RGB SMD for full color)
LED type	DIP346
Module size	320*160mm
Module weight	583g
Module resolution	32*16dots
Brightness	≥2000 cd/m² (Higher for Full color)
Viewing Angle	H≤110° V≤50°
Driving Mode	1/4 scan constant current
Interface	HUB12
Input voltage	4.8-5.5VDC
Max. Power Consumption	220 w/m² (LED Area)
Avg. Power Consumption	80-100 w/m² (LED Area)
Max. Current	2.6-2.9A
Frame rate	60 frames/s
Refresh Rate	≥200Hz
Defective Dots Rate	<0.0001 (LED display line standard: ≤ 0.0003)
Decay Rate	≤5%/year
Brightness Conformity	>95 %
MTBF	≥10000 hours
Lifespan	≥50000 hours
Protective function	Over-heat/Over-load /Power-down /Power-Leakage/Lightning-protection etc.
Operating Temperature	-20°C~+50°C
Operating Humidity	10-85% no condensation
Storage Temperature	-30°C~+60°C
Storage Humidity	10-95% no condensation

Scoreboard Specifications:

Alphabet height	6", 12", 18" and above as mentioned in models
LED Color	Red (Green, Blue, Yellow, White also available) RGB for Full color
Box	MS box black powder coated
Voltage	220 Volt AC 50Hz
Data Communication	Bluetooth (8-10 meters), RF for up to 80 meter
LED Pitch	All rates for outdoor boards are for P10 resolution. Higher resolution like P6,4,3 are available in FCS (Full color video screen scoreboards) and prices will be given on demand

Price List : Semi Digital Scoreboards

Hockey	Football	Size (Feet)	Rate / Unit
HKS -01	FBS -01	15'' x 30''	Rs. 12,500/-
HKS -02	FBS -02	18'' x 30''	Rs. 16,000/-
HKS -03	FBS -03	18'' x 30''	Rs. 16,000/-
HKS -04	FBS -04	2' x 3'	Rs. 20,000/-
HKS -05A	FBS -05A	3' x 4'	Rs. 21,000/-
HKS -05B	FBS -05B	3' x 4'	Rs. 23,000/-
HKS -06	FBS -06	3' x 4'	Rs. 25,000/-
HKS -07	FBS -07	3' x 4'	Rs. 25,000/-
HKS -08	FBS -08	3' x 4'	Rs. 30,000/-
HKS -09	FBS -09	3' x 4'	Rs. 32,000/-
HKS -10	FBS -10	3' x 5'	Rs. 36,000/-
HKS -11	FBS -11	3' x 5'	Rs. 36,000/-
HKS -12	FBS -12	4' x 6'	Rs. 60,000/-
HKS -13	FBS -13	4' x 6'	Rs. 60,000/-
HKS -14	FBS -14	4' x 6'	Rs. 66,000/-
HKS -15	FBS -15	4' x 6'	Rs. 64,000/-
HKS -16	FBS -16	6' x 8'	Rs. 1,20,000/-
HKS -17	FBS -17	6' x 10'	Rs. 1,40,000/-
HKS -18	FBS -18	8' x 12'	Rs. 2,40,000/-
HKS -19	FBS -19	10' x 12'	Rs. 3,00,000/-
HKS -20	FBS -20	8' x 14'	Rs. 2,50,000/-
HKS -21	FBS -21	10' x 14'	Rs. 3,20,000/-
HKS -22	FBS -22	10' x 20'	Rs. 4,40,000/-
HKS -23	FBS -23	10' x 20'	Rs. 5,00,000/-
Substitution Boards			
SB -01		10'' x 24'' Digit 8''	Rs. 9,000/-
SBB -01	Battery backup	10'' x 24'' Digit 8''	Rs. 12,000/-
SB -02		12'' x 36'' Digit 10''	Rs. 12,000/-
SBB -02	Battery backup	12'' x 36'' Digit 10''	Rs. 15,000/-
Movable stand with wheels		For 3x4'	Rs. 5000/-
Movable stand with wheels		For 4x6'	Rs. 7000/-
<ul style="list-style-type: none"> All Models operated by Android mobile App via Bluetooth . If you want to operate from distance larger than 8-10 meter then RF Amplifier is required which costs Rs. 3000/- extra 			

Model	Size (Feet)	Rate / Unit
Multi-Sport Scoreboards		
MSS -01	2' x 3' (25 x 37")	Rs. 24,000/-
MSS -02	3' x 4' (37 x 44")	Rs. 36,000/-
MSS -03	4' x 5' (44 x 63")	Rs. 60,000/-
One sport software free along with the board, Rs. 2000/- per extra sport		
Single Color Screen (Multi Sports) P10		
SCS -01	4' x 5' (44 x 63")	Rs. 70,000/-
SCS -02	5' x 7' (63 x 88")	Rs. 1,18,000/-
SCS -03	6' x 9' (75.6 x 113.3")	Rs. 1,75,000/-
SCS -04	9' x 12'(113.3 x 151")	Rs. 3,40,000/-
One sport software free along with the board, Rs. 4000/- per extra sport		
Full Color Video Screen (Multi Sports) P10		
FCS -01	4' x 5' (44 x 63")	Rs. 1,10,000/-
FCS -02	5' x 7' (63 x 88")	Rs. 1,90,000/-
FCS -03	6' x 9' (75.6 x 113.3")	Rs. 2,85,000/-
FCS -04	9' x 12'(113.3 x 151")	Rs. 5,60,000/-
One sport software free along with the board, Rs. 5000/- per extra sport		

Terms :

Transportation	Price ex works Delhi
GST	Extra @ 18%
Delivery	2 weeks against PO and advance. Some models are available in ready stock
Payment term	50% advance , 50% on inspection and before dispatch
Warranty	One year
<ul style="list-style-type: none"> • Hooks/clamps will be provided for installation. • If Mobile stand is required the cost will be extra • Installation/ structure cost not included, engineer will be provided for commissioning, training and service on TA / DA basis @ Rs.2500/- per day if required, the systems are plug and play ,simple to operate and do not require Engineer to install • Packing will be in thermocol, corrugated sheet and MDF for safe transportation and is included in the cost • Most of the semi digital scoreboard models operate from Android mobile app (* are operated with keypad console) SCS and FCS screens are operated from PC 	

**Model HKS – 01 : 15 inch x 30 inch. All digits 6". Keypad operation option available
Cost Rs. 12,500/- (Ex Works Delhi Plus GST @ 18%)**



**Model HKS – 02: 18 inch x 30 inch. All digits 6".
Cost Rs. 16,000/- (Ex Works Delhi Plus GST @ 18%)**



Model HKS – 03: 18 inch x 30 inch. All digits 6".
Cost Rs. 16,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS – 04 : 2 feet x 3 feet. All digits 6".
Cost Rs. 20,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS – 05A : 2 feet x 4 feet. All digits 6”.
Cost Rs. 21,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS – 05B : 2 feet x 4 feet. All digits 6”.
Cost Rs. 23,000/- (Ex Works Delhi Plus GST @ 18%)



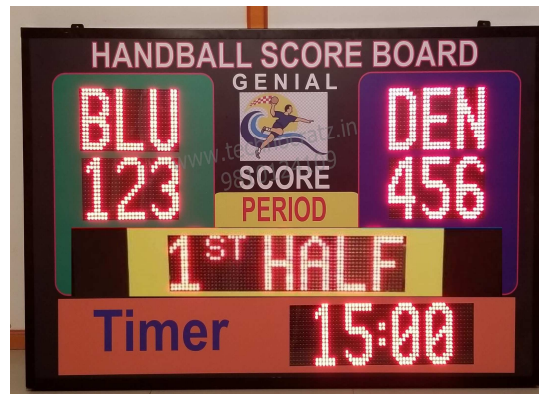
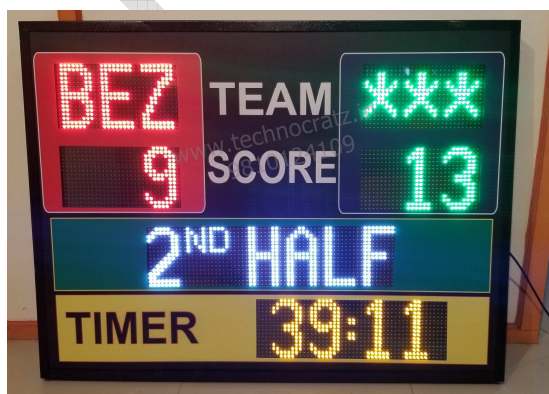
Model HKS – 06 : 3 feet x 4 feet. All digits 6".
Cost Rs. 25,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS – 07 : 3 feet x 4 feet. All digits 6".
Cost Rs. 25,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –08 : 3 x 4 feet with two team names of 3 alphabets each. All digits 6"
Cost Rs. 30,000/- (Ex Works Delhi Plus GST @ 18%)



HKS- 09: 3 Feet x 4 Feet. (Digits 6”)

Cost Rs. 32,000/- (Ex Works Delhi Plus GST @ 18%)

The team names are 3 alphabets each in digital. There is a provision to have the team name and message alternating (The message part is editable by an independent android App)



Model HKS –10 : 3 x 5 feet with two team names of 6 alphabets each. Scores 12” and rest of the digits 6”

Cost Rs. 36,000/- (Ex Works Delhi Plus GST @ 18%)



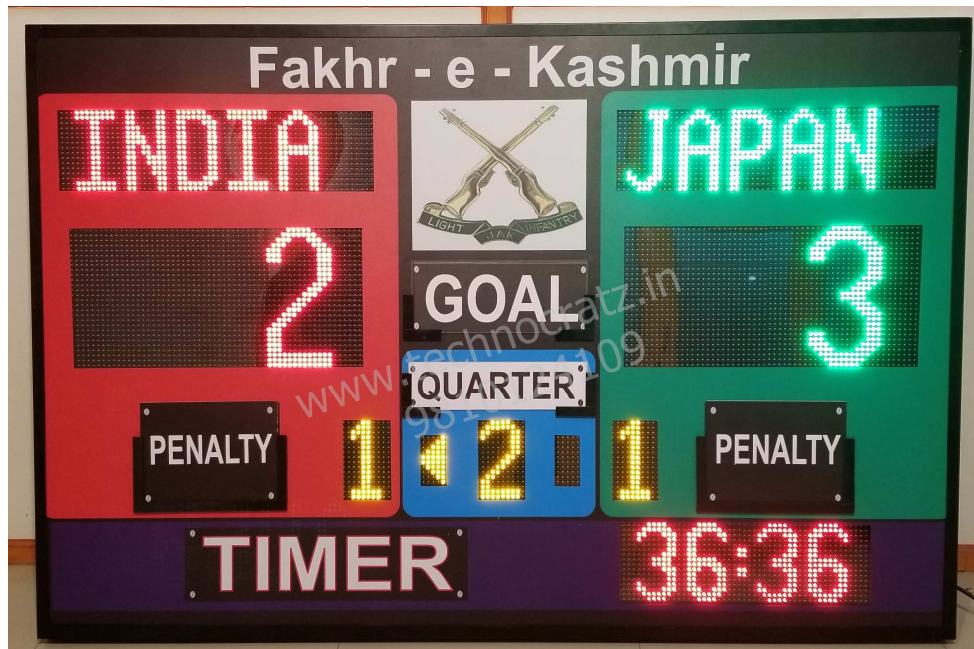
Model HKS –11 : 3 x 5 feet with two team names of 6 alphabets each. Scores 12” and rest of the digits 6”
Cost Rs. 36,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –12 : 4 x 6 feet with two team names of 6 alphabets each. Scores 12” and rest of the digits 6”
Cost Rs. 60,000/- (Ex Works Delhi Plus GST @ 18%)



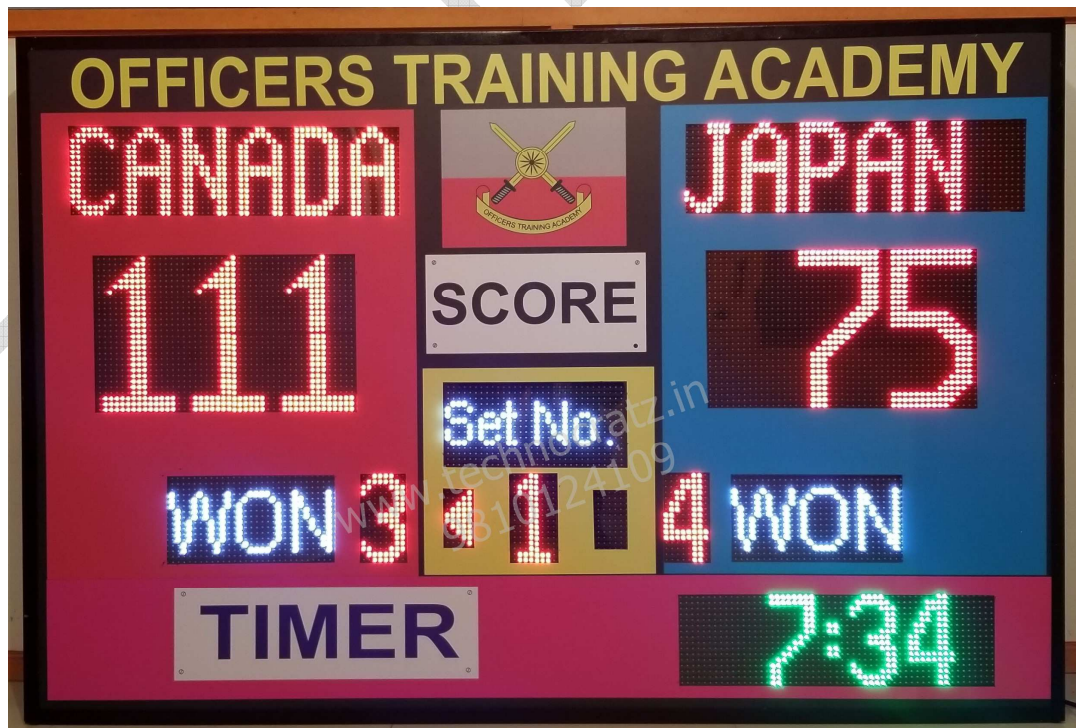
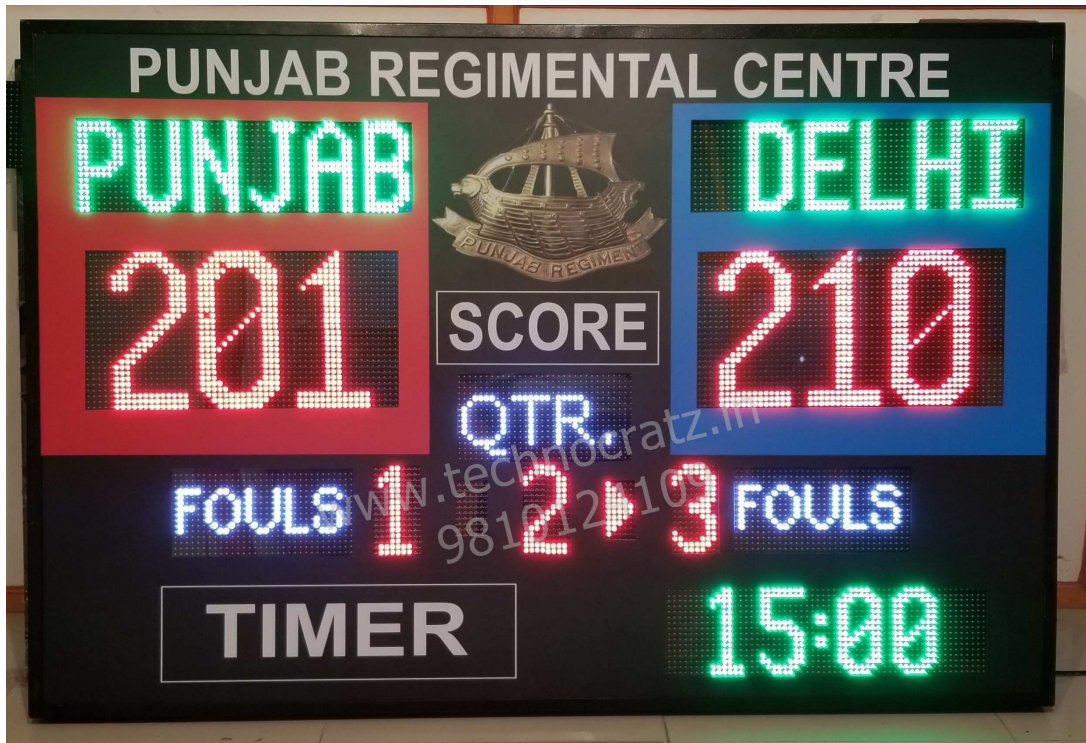
Model HKS –13 : 4 x 6 feet with two team names of 6 alphabets each. Scores 12” and rest of the digits 6”
Cost Rs. 60,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –14 : 4 x 6 feet with two team names of 3 alphabets each. Team Names, Scores 12” and rest of the digits 6” plus real time clock
This board can be used for cricket too
Cost Rs. 66,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS -15 : 4 x 6 feet with two team names of 6 alphabets each. Scores 12", rest of the digits 6". The Fouls, Period, Fouls section is selectable to allow the board to be used for multiple sports as shown in the 2 pics below
Cost Rs. 64,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –16 : 6 x 8 feet with two team names of 9 alphabets each. Scores and timer 18” and rest of the digits 6”
Cost Rs. 1,20,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –17 : 6 x 10 feet with two team names of 9 alphabets each. Scores and timer 18” and rest of the digits 6”
Cost Rs. 1,40,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –18 : 8 x 12 feet with two team names of 8 alphabets each. Scores and timer 24” and rest of the alphabets and digits 12” (picture similar to HKS-13 , only difference being that digits are 24” instead of 18” and alphabets 12” instead of 6”)
Cost Rs. 2,40,000/- (Ex Works Delhi Plus GST @ 18%)

Model HKS –19 : 10 x 12 feet with two team names of 8 alphabets each. Scores and timer 24” and rest of the alphabets and digits 12” (picture similar to HKS-13 , only difference being that digits are 24” instead of 18” and alphabets 12” instead of 6”)
This has a Tournament name Line at the top.
Cost Rs. 3,00,000/- (Ex Works Delhi Plus GST @ 18%)

Model HKS –20 : 8 x 14 feet Scores, Penalty and timer 24” . Half 6”
Cost Rs. 2,50,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –21 : 10 x 14 feet with two team names of 8 alphabets each. Scores, Penelty and timer 24” Half 6”
Cost Rs. 3,20,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –22 : 10 x 20 feet with two team names of 9 alphabets each. Scores and timer 24” and rest of the digits 12”
Cost Rs. 4,40,000/- (Ex Works Delhi Plus GST @ 18%)



Model HKS –23 : 10 x 20 feet with two team names of 9 alphabets each. Scores and timer 24” and rest of the digits 12” . Tournament line and sponsor lines at top and bottom of 12” each
Cost Rs. 5,00,000/- (Ex Works Delhi Plus GST @ 18%)



Substitution Boards

Model SB –01 : 10” x 2 feet. Digit size 8” with 2 digits for each team , one in red and one in green. The digits are selectable from onboard buttons for IN and OUT working on 220 Volt AC . SBB-01 is the same board with battery backup

Cost (Ex Works Delhi Plus GST @ 18%)

SB-01 Rs. 9,000/-

SBB-01 Rs. 12,000/-



Model SB –02 : 10” x 2 feet. Digit size 10” with 2 digits for each team , one in red and one in green. The digits are selectable from onboard buttons for IN and OUT working on 220 Volt AC . SBB-02 is the same board with battery backup

Cost (Ex Works Delhi Plus GST @ 18%)

SB-02 Rs. 12,000/-

SBB-02 Rs. 15,000/-

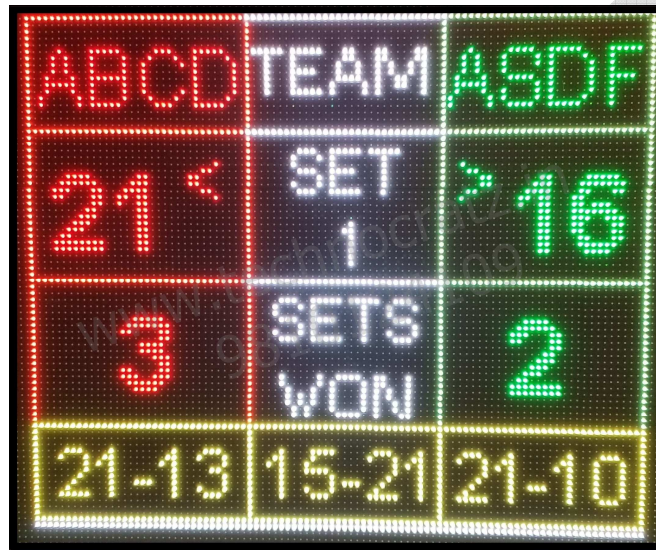


Multi-Sport Scoreboards (MSS Series)

- Single color Scoreboard using different color LED for two teams and other parameters.
- This Scoreboard can be used for multiple sports.
- The Scoring is done on Android mobile App via Bluetooth
- One sport software comes free with the Scoreboard and the charge per extra sport will be Rs. 2000/- per sport

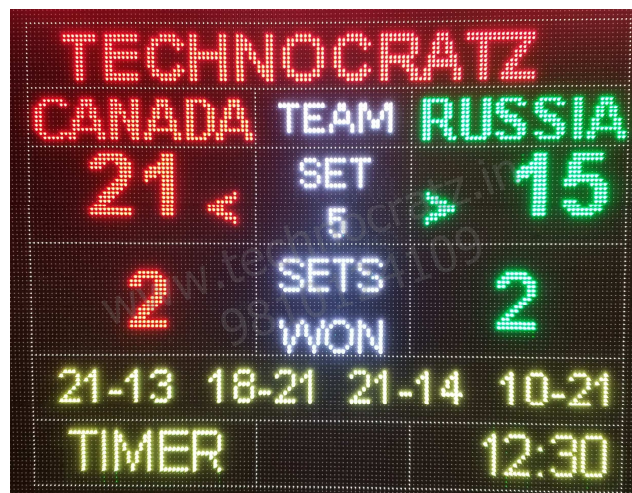
Model MSS – 01: 2 x 3 feet. (Similar for Hockey with two team names, Goals and Timer.)

Cost Rs. 24,000/- (Ex Works Delhi Plus GST @ 18%)

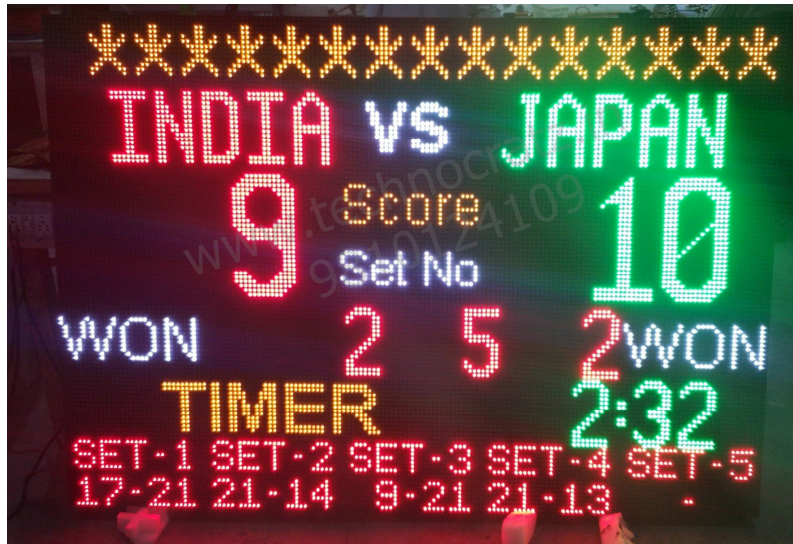


Model MSS – 02: 3 x 4 feet. (Similar for Hockey with two team names, Goals and Timer.)

Cost Rs. 36,000/- (Ex Works Delhi Plus GST @ 18%)



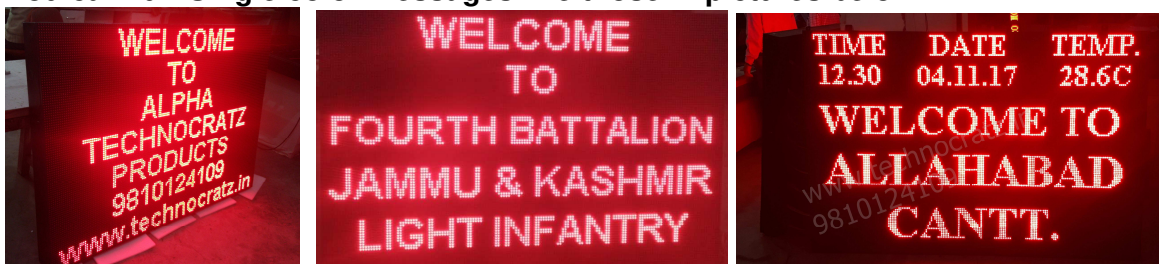
Model MSS – 03: 4 x 5 feet.
Cost Rs. 60,000/-



Single Color Screen Scoreboards (SCS Series)

- Single color Scoreboard using Single color Red LED.
- This Scoreboard can be used for multiple sports.
- The Scoring is updated on Screen Via PC
- One sport software comes free with the Scoreboard and the charge per extra sport will be Rs. 3000/- per sport.
- The main advantage of this board is that we can also use this as a normal LED board for Messages in single or multiple lines in multiple languages and multiple fonts, Time and date display.
- This Message facility can be used before the Match For Tournament name, Team names on full screen, Points table, Welcoming the Chief Guest, Sponsors names and messages or any type of messages and after the match the same screen can be used to congratulate the winner, the man of the match or tournament etc
- When the board is not being used as a scoreboard it can be fixed at some other location like gate or any prominent place near office entrance etc to run messages mentioned above. Some message pictures shown below.

You can run Single color messages like those in pictures below



Model SCS – 01: 4 x 5 feet .
Cost Rs. 70,000/-



Model SCS – 02: 5 x 7 feet .
Cost Rs. 1,18,000/-



Model SCS – 03: 6 x 9 feet .
Cost Rs. 1,75,000/-



Model SCS – 04: 9 x 12 feet .
Cost Rs. 3,40,000/-

Full Color Video Screen Scoreboards (FCS Series)

- Full color Scoreboard using RGB LED.
- This Scoreboard can be used for multiple sports.
- The Scoring is updated on Screen Via PC
- One sport software comes free with the Scoreboard and the charge per extra sport will be Rs. 5000/- per sport.
- The main advantage of this board is that we can also use this as a normal LED Video board for display of Videos in Millions of colors, Pictures, messages, Time and date display.
- This Video Message facility can be used before the Match For Tournament name, Team names on full screen, Points table, Welcoming the Chief Guest, Sponsors names and videos or any type of messages and after the match the same screen can be used to congratulate the winner, the man of the match or tournament etc
- When the board is not being used as a scoreboard it can be fixed at some other location like gate or any prominent place near office entrance etc to run videos or messages mentioned above. Some pictures shown below.

Model FCS – 01: 4 x 5 feet .
Cost Rs. 1,10,000/-



Model FCS – 02: 5 x 7 feet .
Cost Rs. 1,90,000/-



Model FCS – 03: 6 x 9 feet .
Cost Rs. 2,85,000/-



Model FCS – 04: 9 x 12 feet .
Cost Rs. 5,60,000/-



You can run videos and scores as shown in the pictures shown below from some international stadiums



Movable stand :

